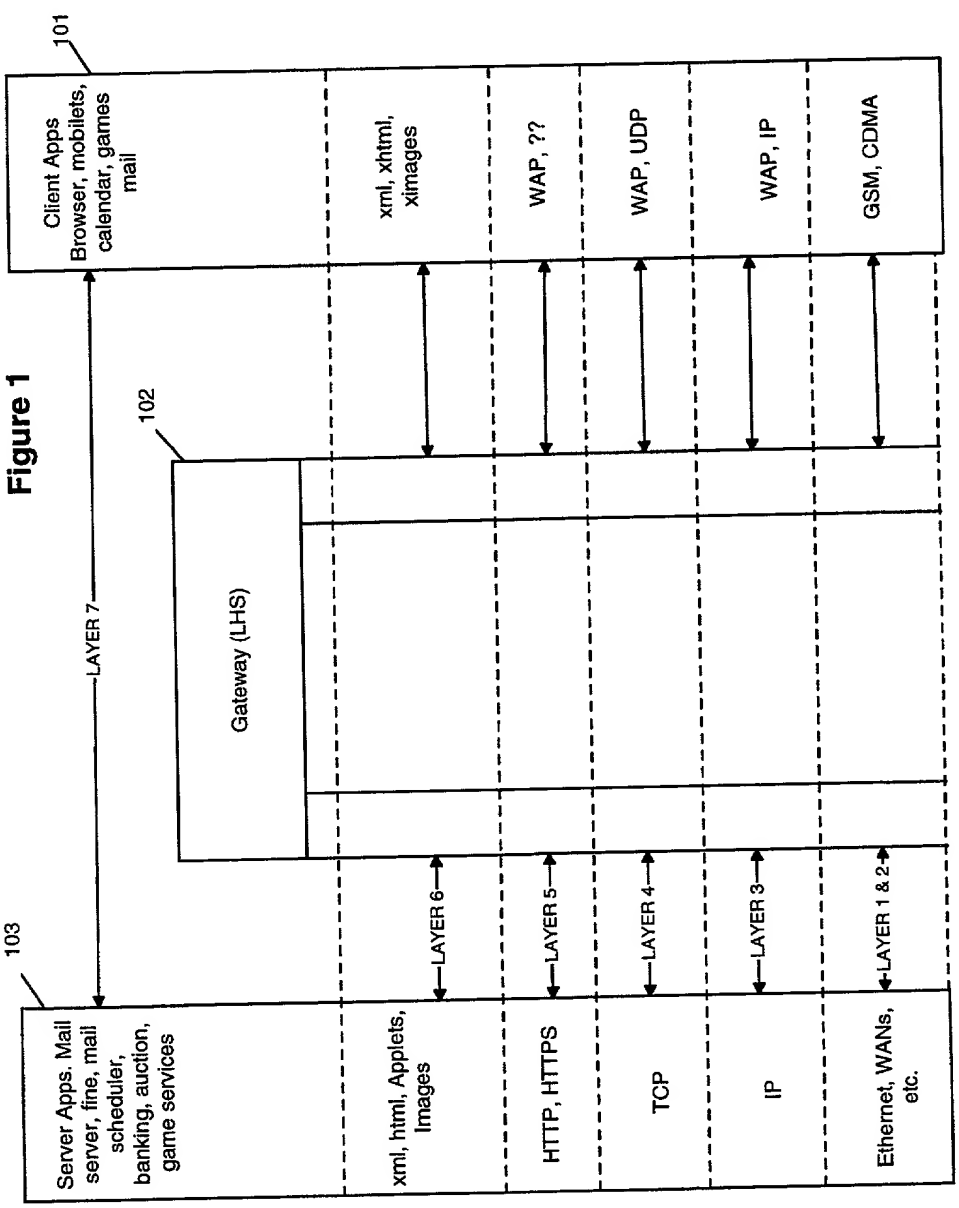
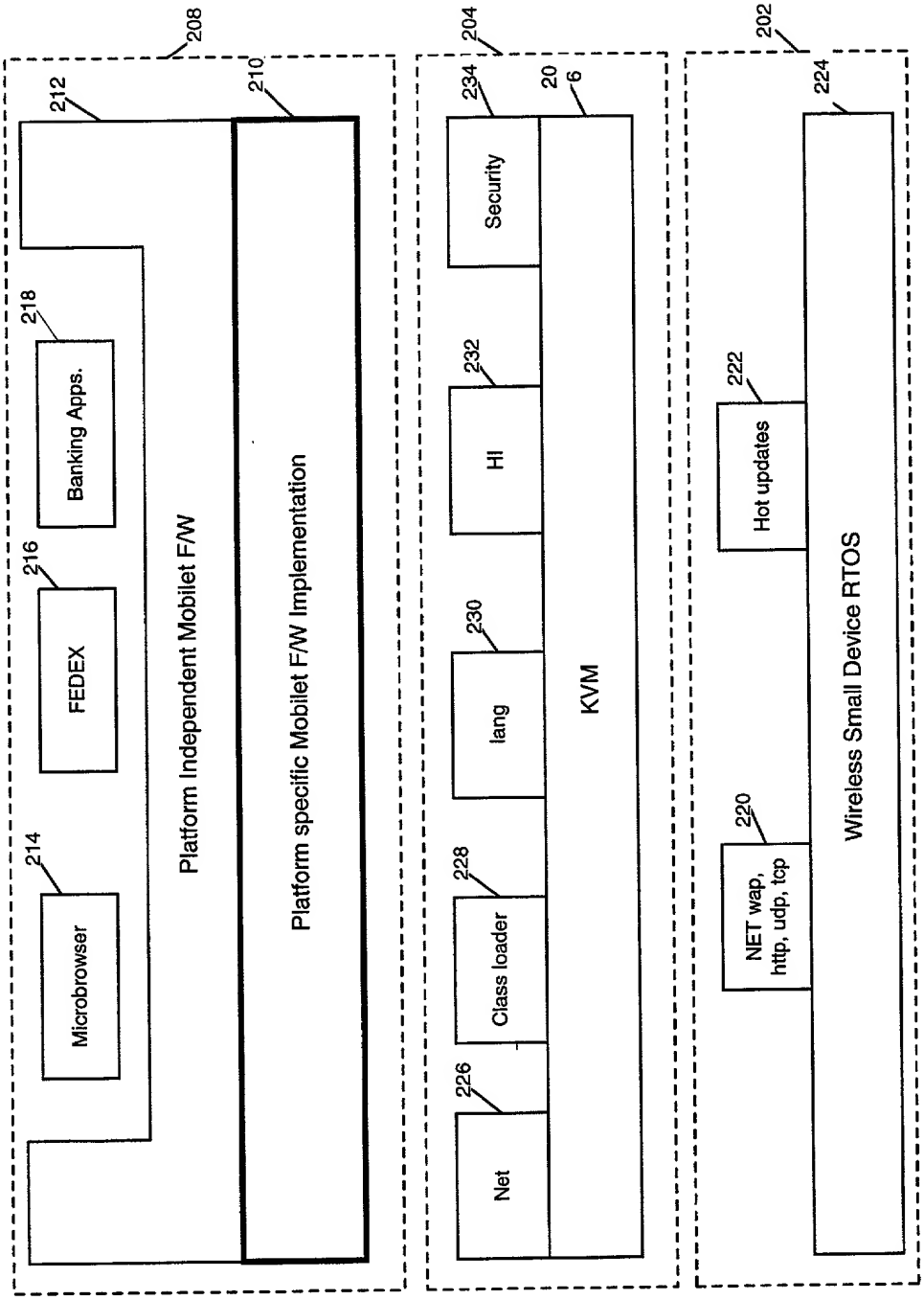

101
Client Apps
Browser, mobilets, calendar, games mail
xml, xhtml, ximages
WAP, ??
WAP, UDP
WAP, IP
GSM, CDMA
102
Gateway (LHS)
LAYER 7
LAYER 6
LAYER 5
LAYER 4
LAYER 3
LAYER 1 & 2
103
Server Apps. Mail server, fine, mail scheduler, banking, auction, game services
xml, html, Applets, Images
HTTP, HTTPS
TCP
IP
Ethernet, WANs, etc.

Figure 1

Figure 2


208
210
212
218
Banking Apps.
216
FEDEX
214
Microbrowser
Platform Independent Mobilet F/W
Platform specific Mobilet F/W Implementation
204
234
Security
20
6
232
HI
230
lang
KVM
228
Class loader
226
Net
202
224
Wireless Small Device RTOS
222
Hot updates
220
NET wap,
http, udp, tcp

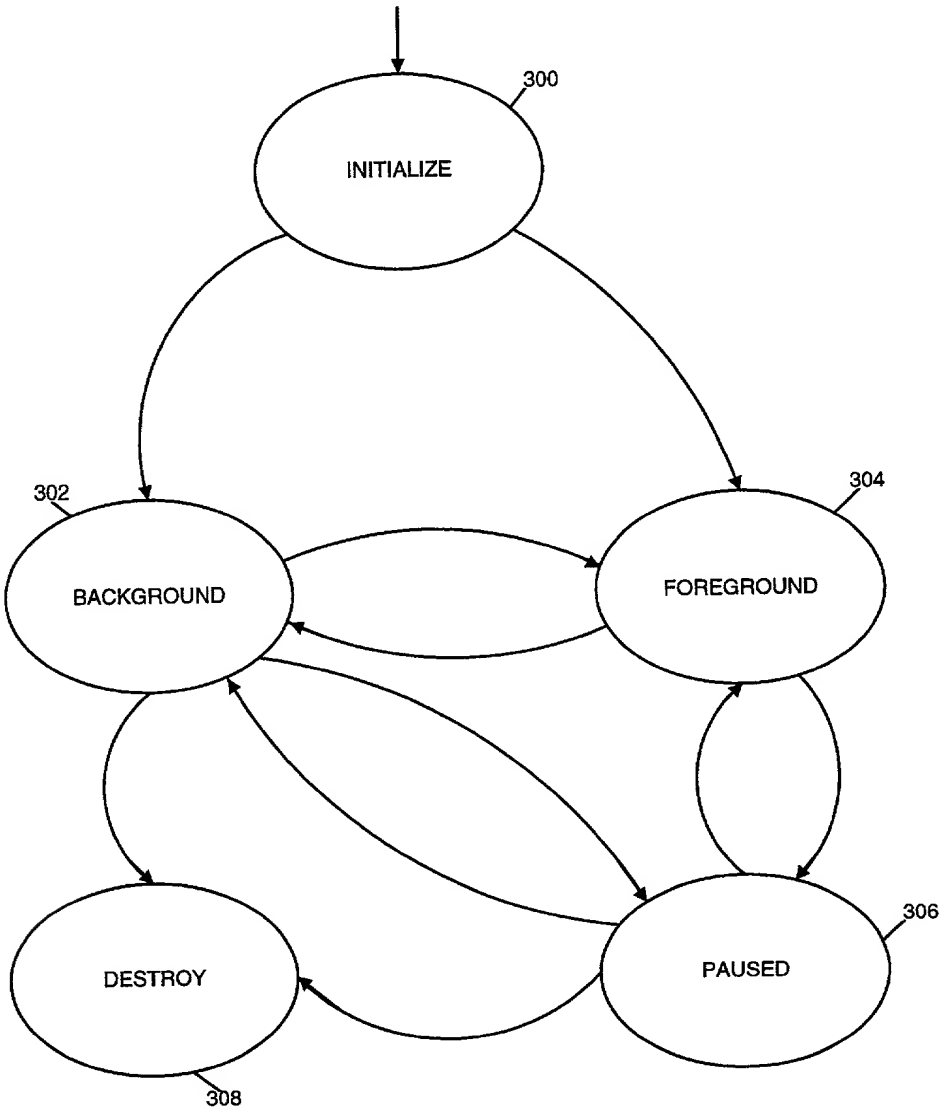


Figure 3

EDS-2000-0036-US

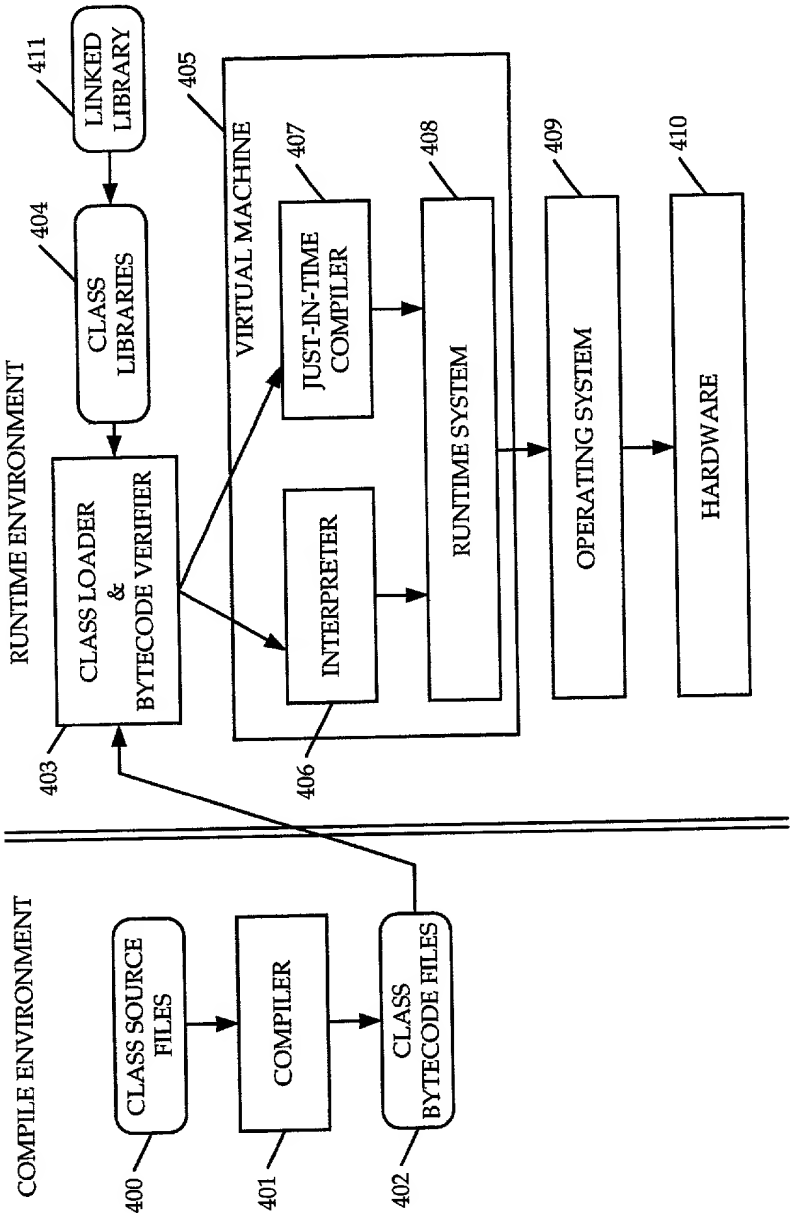
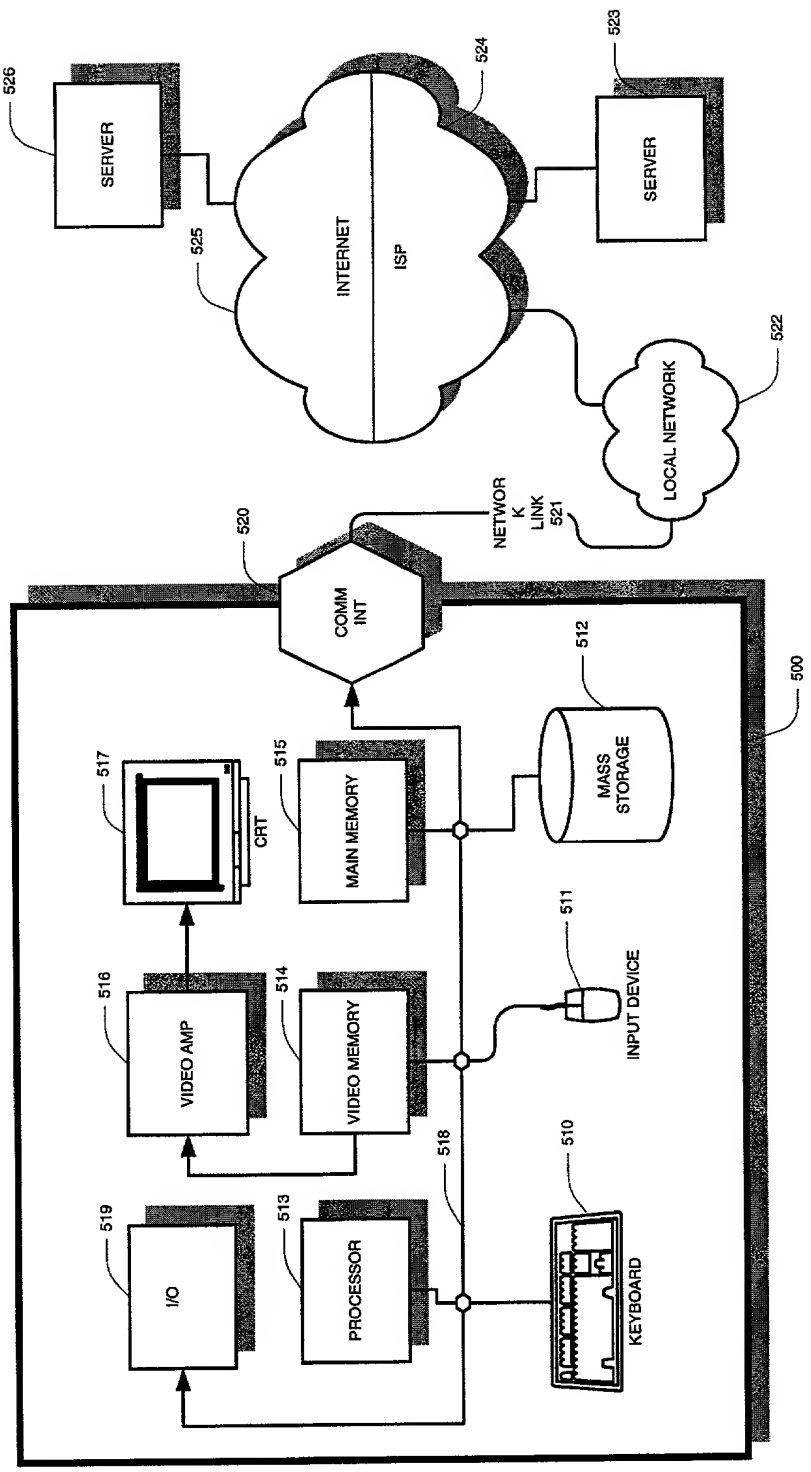

COMPILE ENVIRONMENT
CLASS SOURCE FILES
400
COMPILER
401
CLASS BYTECODE FILES
402
RUNTIME ENVIRONMENT
CLASS LOADER & BYTECODE VERIFIER
403
CLASS LIBRARIES
404
LINKED LIBRARY
411
VIRTUAL MACHINE
405
INTERPRETER
406
JUST-IN-TIME COMPILER
407
RUNTIME SYSTEM
408
OPERATING SYSTEM
409
HARDWARE
410

FIGURE 4

Figure 5


526
SERVER
525
INTERNET
ISP
524
523
SERVER
522
LOCAL NETWORK
NETWORK LINK 521
520
COMM INT
500
512
MASS STORAGE
517
CRT
515
MAIN MEMORY
511
INPUT DEVICE
516
VIDEO AMP
514
VIDEO MEMORY
518
510
KEYBOARD
519
I/O
513
PROCESSOR